

# Weekly Report

## 10/13/2014 - 10/19/2014

Jing XIA

October 19, 2014

## 1 Summary

This week I mainly focused on the rank visualization project. I consulted Victor Chen and Cheryl Qian again, and the visualization part is almost finalized.

## 2 Projects

### 2.1 Project 1 - Rank Visualization

#### 2.1.1 Visualization

**Comparison of Glyphs** Other than the simple glyph that only represents going-up and going-down trend of the item. We also have several other designs. Figure 1 compares all the designs side by side.

**Highlight with Patch** We also reverse the color of glyph and background to highlight the blank space and color difference. Seems figure 2 (b) reveals glyph much better.

**Local Trend** We also use a sparkline design (see Figure 3) to depict the local trend of a certain rank item.

#### 2.1.2 Data Preparation

To update the system to latest version, we'll have to update the Wikipedia dataset to latest.

### 2.2 Project 2 - Data Inspection

Not ready to summarize yet.

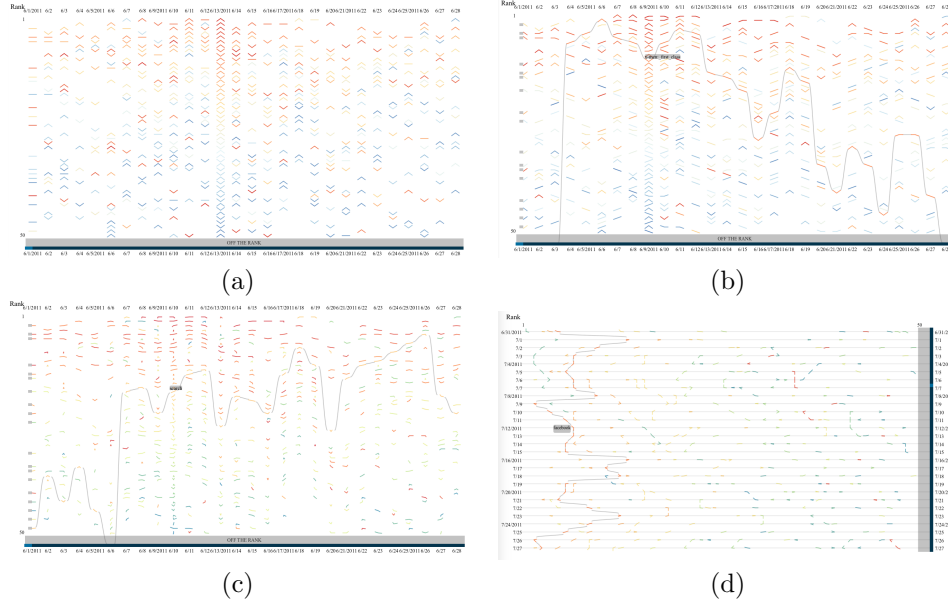


Figure 1: The four designs of ranked item. (a) With glyph representing last ranking difference of the rank item. (b) With glyph representing representing both side rank difference of the rank item. (c) With glyph exactly pointing to its last and next location. (d) Same with (c) but with time vertically aligned.

### 3 Paper Reading

### 4 Miscellaneous

-

### 5 To Do List

1. Download and preprocess Wikipedia dataset.
2. Finalize the system design and prepare for paper writing.

### References

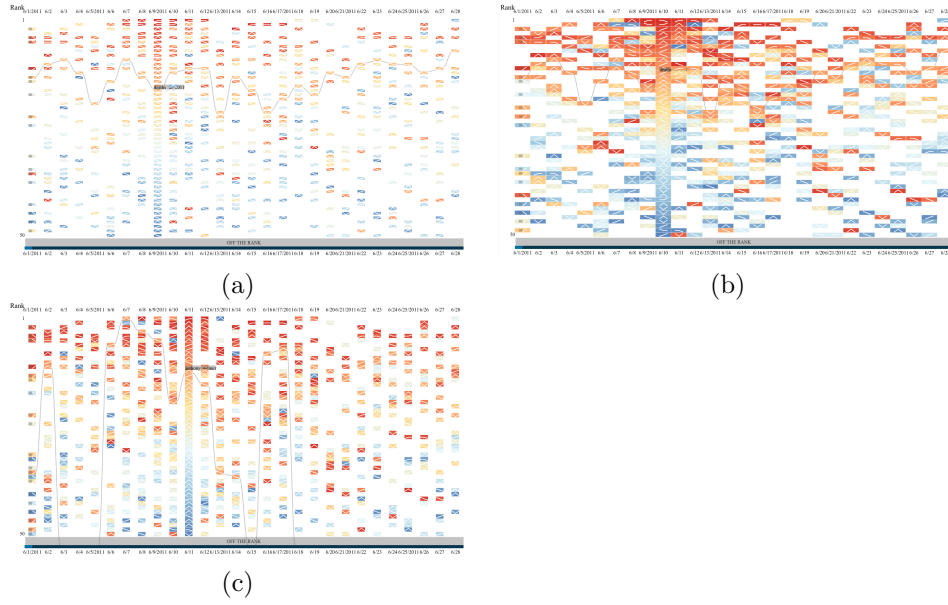


Figure 2: The patch version of glyphs. The level patches being filled is different.

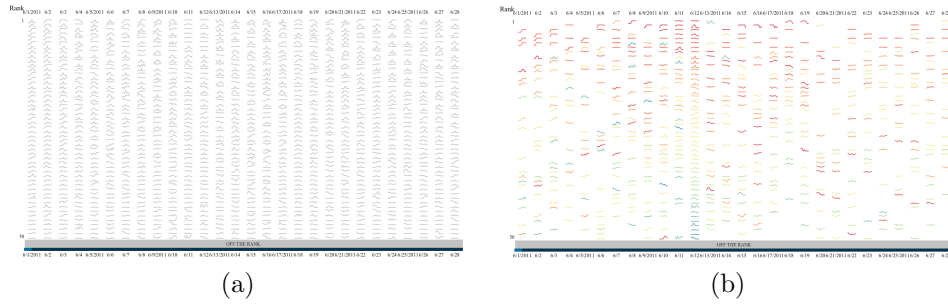


Figure 3: Visualizing local trend with sparkline.